AMENDMENTS

In the Claims:

Please amend the claims as indicated hereafter.

1. (Previously Presented) A computer system for selectively blocking event signals, comprising:

an operating system configured to detect an occurrence of an event and to transmit an event signal corresponding to said event; and

a translation system having a first data structure and configured to translate a first set of instructions from a program into a second set of instructions and to transmit said second set of instructions to said operating system for execution, said first data structure having a first value indicating whether said event signal is blocked, said first set of instructions incompatible with said operating system and said second set of instructions compatible with said operating system, said translation system configured to identify, within said first set of instructions, a system call for blocking or unblocking said event signal and to update said first value in said first data structure in response to said system call defined by said first set of instructions, said translation system configured to receive said event signal from said operating system and to transmit, to said program, a signal indicating said occurrence of said event in the absence of an indication from said first value that said event signal is blocked.

2-5. (Canceled)

6. (Previously Presented) The computer system of claim 1, wherein said first value is defined by a bit associated with a bit vector.

7. (Previously Presented) The computer system of claim 1, further comprising a second data structure having a second value corresponding with said first value and configured to indicate that said translation system received said event signal, and wherein said translation system is further configured to transmit said signal indicating said occurrence of said event based on said second value.

8. (Previously Presented) The computer system of claim 7, wherein said system call is configured to instruct said operating system to unblock said event signal.

9-14. (Canceled)

15. (Previously Presented) A method for selectively blocking event signals associated with an operating system, comprising the steps of:

receiving an event signal from said operating system;

translating a first set of instructions from a program into a second set of instructions, said first set of instructions incompatible with said operating system and including a system call for blocking said event signal, said second set of instructions compatible with said operating system;

transmitting said second set of instructions to said operating system for execution;

indicating that said event signal is blocked in response to said system call;

determining whether said event signal is blocked subsequent to said receiving step and based on said indicating step; and

delaying, based on said determining step, transmission of a signal corresponding to said event signal,

wherein said translating step comprises the step of omitting said system call from said second set of instructions such that said operating system is prevented from blocking said event signal based on said first set of instructions.

16. (Previously Presented) The method of claim 15, further comprising the steps of:

receiving an unblocking system call corresponding to an event associated with said event signal;

determining whether said event occurred prior to said receiving said unblocking system call step; and

transmitting said signal corresponding to said event signal in response to a determination that said event occurred prior to said receiving said unblocking system call step.

17-23. (Canceled)

24. (Previously Presented) A method for selectively blocking and unblocking event signals associated with operating systems, comprising the steps of:

receiving a signal from a program application;

determining if the signal is a blocking or an unblocking system call; translating the signal from a form incompatible with said operating system into a form compatible with said operating system and if the signal is not a blocking signal or an unblocking signal, sending the translated signal to the operating system;

detecting an occurrence of an event;

identifying a signal handler in response to said detecting step;

determining, in response to said identifying step, that an operating system is enabled to notify said identified signal handler of said occurrence;

transmitting an event signal from said operating system in response to said determining step;

receiving said event signal;

maintaining a first data value indicative of whether said event signal is blocked;

analyzing said first data value in response to said receiving said event signal step;

transmitting a signal indicative of said occurrence of said event to said signal handler, based on said analyzing step, if said first data value indicates that said event signal is unblocked during said analyzing step;

updating a second data value, in response to said receiving said event signal step, if said first values indicates, during said analyzing step, that said event signal is blocked;

receiving a request to unblock said event signal;

updating said first data value in response to said receiving a request to unblock step; and

transmitting a signal indicative of said occurrence of said event to said signal handler in response to said receiving a request to unblock step and based on said second data value.

25. (Previously Presented) The method of claim 24, wherein said determining that said operating system is enabled step is based on whether said operating system has received a blocking system call from an application program that is associated with said identified signal handler.

26. (Previously Presented) A system for selectively blocking event signals, comprising:

an operating system configured to detect an occurrence of an event and to transmit an event signal corresponding to said event; and

a translation system having a first data structure and configured to translate a first set of instructions from a program into a second set of instructions and to transmit said second set of instructions to said operating system for execution, said first data structure having a first value indicating whether said event signal is blocked, said first set of instructions incompatible with said operating system and said second set of instructions compatible with said operating system, said translation system configured to identify, within said first set of instructions, a system call for blocking or unblocking said event signal and to update said first value in said first data structure in response to said system call, said translation system configured to receive said event signal from said operating system and to transmit, to said program, a signal indicating said occurrence of said event in the absence of an indication from said first value that said event signal is blocked, said device further configured to store a second value if said first value indicates that said event signal is blocked, said second value indicative of said occurrence of said event while said event signal was blocked, said device further configured to analyze said second value in response to an unblocking system call and transmit a particular signal when said second value indicates said occurrence of said event while said event signal was blocked.

27. (Previously Presented) A system for selectively blocking event signals, comprising:

an operating system configured to detect an occurrence of an event and to transmit an event signal corresponding to said event; and

a translation system having a first data structure and a second data structure, the translation system configured to translate a first set of instructions from a program into a second set of instructions and transmit said second set of instructions to an operating system, said first data structure having a plurality of first values, each of said plurality of values indicating whether a corresponding event signal is blocked, said second data structure having a plurality of second values, each of said plurality of second values corresponding to each of said plurality of first values, each of said second values indicating whether an event signal was received while said first value corresponding to said second value indicated that said event signal was blocked, said translation system responsive to system calls for controlling said plurality of first values in said first data structure and responsive to an event signal from said operating system for analyzing one of said plurality of first values corresponding to said event signal in order to determine whether said event signal is blocked,

wherein said translation system transmits a signal corresponding to said event signal when said translation system determines that said event signal is not blocked based on said one of said plurality of values and said translation system transmits another signal corresponding to said event signal, in response to an unblocking system call, when said translation system determines that said event signal was blocked based upon said one of said plurality of second values.

28-29. (Canceled)

30. (Previously Presented) The system of claim 1, wherein said system call is for blocking said event signal, and wherein said translation system is further configured to omit said system call from said second set of instructions such that said operating system does not block said event signal based on said first set of instructions.

31. (Previously Presented) The system of claim 1, wherein said system call is for blocking said event signal, wherein said operating system is configured to block said event signal if said operating system receives said system call, and wherein said translation system is configured to define said second set of instructions such that said system call is not transmitted to said operating system.

32-34. (Canceled)